



Società Chimica Italiana

Divisione di Spettrometria  
di Massa

<http://www.spettrometriadimassa.it>

## DSM Speciale GIOVANI: lavori in corso ....

### Posizioni aperte riguardanti la spettrometria di massa



#### Vacancy Details

Further Vacancy Details

#### Post-Doctoral Researcher, APC Microbiome Ireland

24 Month, Fixed-Term, Whole-time Post

#### Position summary

The scope of research on host-microbe interactions in the APC Microbiome Institute has relevance to a range of inflammatory, infectious and other disorders within and beyond the gut, as well as to health maintenance. At the heart of the "Microbes to Molecules" theme within APC, we are looking to recruit an early-stage researcher to work on projects related to Pharmabiotics - any biological entity 'mined' from the gastrointestinal microbiota, including probiotics, bacteriocins, bacteriophages and bioactive molecules. We believe that Pharmabiotics will make significant impacts in the pharmaceutical, medical food and functional food sectors. For example, the current threat posed by multi-drug resistant bacteria is a major challenge, and we are therefore looking at validating various alternative therapeutics that display narrow spectrum antimicrobial activity. Indeed, this position will particularly focus on the isolation, characterization, biological role of bacteriocins produced by gut bacteria.

Specifically, we seek an individual with the following interests and/or skills:

#### Role:

- To isolate new bacteriocin-producing strains produced by anaerobic gut bacteria
- To characterize new bacteriocin producing strains and the bacteriocins they produce
- To investigate the role of bacteriocins for manipulating the microbiome
- To explore the role of bacteriocins as signalling molecules in the gut

#### Required Qualifications:

- Microbial Cultivation, preferably anaerobic techniques
- Batch/continuous flow Fermentation
- Routine laboratory techniques such as DNA extraction, PCR, gel electrophoresis, media making, growth assays
- Peptide purification and characterization
- Knowledge of pre-probiotics
- Previous experience using models of infection considered desirable
- Microsoft Office – Excel, PowerPoint, Word

**Deadline January 24, 2020**

[https://ore.ucc.ie/pls/corerecruit/erq\\_jobspec\\_version\\_4.display\\_form?p\\_company=5023&p\\_internal\\_external=E&p\\_display\\_in\\_irish=N&p\\_applicant\\_no=&p\\_recruitment\\_id=039412&p\\_process\\_type=&p\\_form\\_profile\\_detail=&p\\_display\\_apply\\_ind=Y&p\\_refresh\\_search=Y](https://ore.ucc.ie/pls/corerecruit/erq_jobspec_version_4.display_form?p_company=5023&p_internal_external=E&p_display_in_irish=N&p_applicant_no=&p_recruitment_id=039412&p_process_type=&p_form_profile_detail=&p_display_apply_ind=Y&p_refresh_search=Y)



Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Agroscope

## Senior Scientist Position – “NutriExhalomics”

We seek to fill a senior scientist position in the framework of a 6-year project in the areas of on-line exhaled breath analysis and nutrition. This position is intended to provide opportunities for independent research and can develop into a habilitation. The primary scientific aim of NutriExhalomics is to apply metabolomics technologies for the quantification and identification of metabolites derived from nutrition and present in exhaled breath. The project will be carried out in close collaboration with Agroscope, the national Center of Excellence for research in agriculture and the food sector. Participation in teaching in the Analytical Chemistry curriculum at ETH Zurich, as well as the acquisition of own research funds are expected.

Prerequisites: Ph.D. in Chemistry or related area; very strong background in analytical chemistry or nutritional science; experience with modern mass spectrometry is an advantage. Willingness to take responsibility for larger projects and training of students (Ph.D., M.Sc., and undergraduates). For further information see <http://www.zenobi.ethz.ch/> → Ambient Mass Spectrometry. Starting date in 2020 upon mutual agreement. **Applications with CV, publication list, and 2 letters of recommendation directly to Prof. Renato Zenobi (by January 31, 2020 for a starting date mid 2020). Later applications will be accepted until the positions is filled.**

Prof. Renato Zenobi  
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## PREMIO DSM-SCI 2020

*in memoria di Giovanni Sindona*

PER GIOVANI OPERANTI NEL CAMPO

DELLA SPETTROMETRIA DI MASSA

Scadenza: 15 maggio 2020



**Prossimi Eventi**



**24°**

**CORSO DI  
SPETTROMETRIA  
DI MASSA 2020**

***Certosa di Pontignano (SI), 9 - 13 Marzo 2020***

**Le indagini forensi ed il contributo  
della spettrometria di massa**

Direzione Centrale Anticrimine della Polizia di Stato

**Roma, 27 Marzo 2020**



**INTERNATIONAL SCHOOL on MASS SPECTROMETRY**

1<sup>st</sup> Course:

**High resolution mass spectrometry**

*Fundamentals, Advances, and Applications*

September 16-21, 2020 @ EMFCSC, Erice (Italy)

**<http://www.spettrometriadi massa.it>**